

Vehicle Summary

This section is for vehicle and vehicle occupants only. Unless otherwise indicated, this section does not include pedestrians, train occupants, or non-vehicle/non-pedestrians (i.e., horse riders, occupants of a house).

Five-Year Motor Vehicle Registrations by Vehicle Type

Motor Vehicle Registrations	1996	1997	1998	1999	2000
Passenger Cars	2,007,365	2,058,306	2,118,809	2,105,514	2,137,933
Buses	8,402	8,730	8,875	8,896	8,984
Motor Homes	21,739	22,191	22,912	22,756	22,967
Motorcycles	108,670	107,473	109,235	107,645	110,395
Mopeds	23,183	21,114	19,305	17,556	16,276
Trucks	768,171	797,463	833,988	838,207	858,716
Truck Tractors	9,323	12,078	12,701	13,207	14,145
Total	2,946,853	3,027,355	3,125,825	3,113,781	3,169,416

Does not include miscellaneous vehicles or trucks registered in more than one state.

Single & Multiple Vehicle Crashes by Number of Vehicles Involved

Number of Vehicles Involved in Crashes	Crashes							
	Fatal Crashes		Injury Crashes		Property Crashes		Total Crashes	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
One-Vehicle Crash	170	43.15%	6,563	27.62%	13,208	32.85%	19,941	30.98%
Two-Vehicle Crash	189	47.97%	14,928	62.82%	25,393	63.16%	40,510	62.94%
Three- or More-Vehicle Crash	35	8.88%	2,272	9.56%	1,603	3.99%	3,910	6.08%
Total	394	100.00%	23,763	100.00%	40,204	100.00%	64,361	100.00%

Drivers with Iowa Licenses in Fatal Crashes and All Crashes by Vehicle Type

Crashes by Vehicle Type	Drivers with Iowa Licenses in Fatal Crashes		Vehicles							
			Fatal Crashes		Injury Crashes		Property Crashes		Total Crashes	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Passenger Cars	312	49.52%	345	52.51%	27,942	63.92%	42,071	60.92%	70,358	62.03%
Passenger Cars with Trailers	0	0.00%	1	0.15%	39	0.09%	96	0.14%	136	0.12%
Vans or Panel Trucks	1	0.16%	2	0.30%	267	0.61%	484	0.70%	753	0.66%
Pickup Trucks	91	14.44%	100	15.22%	6,526	14.93%	11,779	17.06%	18,405	16.23%
Pickup Trucks with Trailers	6	0.95%	7	1.07%	185	0.42%	365	0.53%	557	0.49%
Pickup Trucks with Toppers	1	0.16%	1	0.15%	7	0.02%	22	0.03%	30	0.03%
Straight Trucks	13	2.06%	14	2.13%	395	0.90%	740	1.07%	1,149	1.01%
Truck Tractors	1	0.16%	4	0.61%	55	0.13%	129	0.19%	188	0.17%
Semitrailer Trucks	35	5.56%	61	9.28%	803	1.84%	1,710	2.48%	2,574	2.27%
Twin Semitrailer Trucks	0	0.00%	0	0.00%	27	0.06%	47	0.07%	74	0.07%
Tow Trucks	1	0.16%	1	0.15%	26	0.06%	49	0.07%	76	0.07%
Motor Homes	0	0.00%	0	0.00%	18	0.04%	66	0.10%	84	0.07%
Buses	0	0.00%	0	0.00%	65	0.15%	156	0.23%	221	0.19%
School Buses	5	0.79%	5	0.76%	59	0.13%	137	0.20%	201	0.18%
Farm Vehicles	5	0.79%	6	0.91%	94	0.22%	109	0.16%	209	0.18%
Motorcycles	25	3.97%	31	4.72%	685	1.57%	81	0.12%	797	0.70%
Pedalcycles	0	0.00%	3	0.46%	456	1.04%	6	0.01%	465	0.41%
Recreational Vehicles	3	0.48%	3	0.46%	44	0.10%	21	0.03%	68	0.06%
Maintenance Vehicles	3	0.48%	3	0.46%	126	0.29%	269	0.39%	398	0.35%
Mopeds	0	0.00%	0	0.00%	51	0.12%	1	0.00%	52	0.05%
Sport Utility Vehicles	43	6.83%	56	8.52%	5,110	11.69%	8,422	12.19%	13,588	11.98%
Other Vehicles	1	0.16%	1	0.15%	50	0.11%	81	0.12%	132	0.12%
Unknown Vehicles	0	0.00%	13	1.98%	683	1.56%	2,221	3.22%	2,917	2.57%
Total	546	86.67%	657	100.00%	43,713	100.00%	69,062	100.00%	113,432	100.00%

Vehicle Summary

Injury Severity of Vehicle Occupants by Vehicle Type

Injury Severity by Vehicle Type	Fatalities & Injuries											
	Fatal		Major		Minor		Possible		Unknown		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Passenger Cars	278	66.19%	2,157	62.07%	8,693	66.11%	12,946	70.55%	311	69.57%	24,385	68.04%
Passenger Cars w/Trailers	1	0.24%	2	0.06%	25	0.19%	19	0.10%	0	0.00%	47	0.13%
Vans or Panel Trucks	1	0.24%	18	0.52%	57	0.43%	72	0.39%	1	0.22%	149	0.42%
Pickup Trucks	53	12.62%	481	13.84%	1,668	12.69%	2,102	11.46%	62	13.87%	4,366	12.18%
Pickup Trucks w/Trailers	4	0.95%	9	0.26%	46	0.35%	63	0.34%	0	0.00%	122	0.34%
Pickup Trucks w/Toppers	0	0.00%	0	0.00%	0	0.00%	1	0.01%	0	0.00%	1	0.00%
Straight Trucks	0	0.00%	22	0.63%	74	0.56%	85	0.46%	1	0.22%	182	0.51%
Truck Tractors	2	0.48%	3	0.09%	7	0.05%	11	0.06%	0	0.00%	23	0.06%
Semitrailer Trucks	7	1.67%	36	1.04%	124	0.94%	125	0.68%	5	1.12%	297	0.83%
Twin Semitrailer Trucks	0	0.00%	2	0.06%	7	0.05%	6	0.03%	0	0.00%	15	0.04%
Tow Trucks	0	0.00%	0	0.00%	1	0.01%	3	0.02%	0	0.00%	4	0.01%
Motor Homes	0	0.00%	0	0.00%	10	0.08%	4	0.02%	0	0.00%	14	0.04%
Buses	0	0.00%	1	0.03%	10	0.08%	37	0.20%	1	0.22%	49	0.14%
School Buses	0	0.00%	2	0.06%	75	0.57%	85	0.46%	0	0.00%	162	0.45%
Farm Vehicles	2	0.48%	12	0.35%	11	0.08%	8	0.04%	0	0.00%	33	0.09%
Motorcycles	32	7.62%	290	8.35%	390	2.97%	97	0.53%	2	0.45%	811	2.26%
Pedalcycles	3	0.71%	53	1.53%	306	2.33%	98	0.53%	3	0.67%	463	1.29%
Recreational Vehicles	3	0.71%	14	0.40%	22	0.17%	7	0.04%	1	0.22%	47	0.13%
Maintenance Vehicles	1	0.24%	8	0.23%	19	0.14%	16	0.09%	0	0.00%	44	0.12%
Mopeds	0	0.00%	12	0.35%	30	0.23%	6	0.03%	1	0.22%	49	0.14%
Sport Utility Vehicles	32	7.62%	332	9.55%	1,532	11.65%	2,457	13.39%	56	12.53%	4,409	12.30%
Other Vehicles	1	0.24%	9	0.26%	10	0.08%	15	0.08%	0	0.00%	35	0.10%
Unknown Vehicles	0	0.00%	12	0.35%	32	0.24%	87	0.47%	3	0.67%	134	0.37%
Total	420	100.00%	3,475	100.00%	13,149	100.00%	18,350	100.00%	447	100.00%	35,841	100.00%

Does not include pedestrians or non-vehicle/non-pedestrians (e.g., riders of a horse or horse and buggy, occupants of a train or building).

Vehicle Action

Vehicle Action	Vehicles							
	Fatal Crashes		Injury Crashes		Property Crashes		Total Crashes	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Going Straight	526	80.06%	27,509	62.93%	39,290	56.89%	67,325	59.35%
Turning Left	39	5.94%	4,596	10.51%	6,628	9.60%	11,263	9.93%
Turning Right	4	0.61%	1,054	2.41%	2,583	3.74%	3,641	3.21%
Making U-Turn	2	0.30%	109	0.25%	174	0.25%	285	0.25%
Passing	18	2.74%	328	0.75%	523	0.76%	869	0.77%
Changing Lanes	4	0.61%	376	0.86%	1,093	1.58%	1,473	1.30%
Merging	2	0.30%	193	0.44%	461	0.67%	656	0.58%
Parking	0	0.00%	43	0.10%	184	0.27%	227	0.20%
Slowing/Stopping	6	0.91%	2,275	5.20%	2,603	3.77%	4,884	4.31%
Backing	3	0.46%	352	0.81%	2,103	3.05%	2,458	2.17%
Stopped for Sign/Signal	4	0.61%	1,647	3.77%	1,745	2.53%	3,396	2.99%
Stopped in Traffic	5	0.76%	1,904	4.36%	1,604	2.32%	3,513	3.10%
Stalled in Traffic	1	0.15%	27	0.06%	48	0.07%	76	0.07%
Properly Parked	4	0.61%	540	1.24%	3,086	4.47%	3,630	3.20%
Improperly Parked	0	0.00%	40	0.09%	193	0.28%	233	0.21%
Unattended Moving Vehicle	0	0.00%	12	0.03%	64	0.09%	76	0.07%
Other	19	2.89%	635	1.45%	841	1.22%	1,495	1.32%
Unknown	20	3.04%	2,073	4.74%	5,839	8.45%	7,932	6.99%
Total	657	100.00%	43,713	100.00%	69,062	100.00%	113,432	100.00%

Vehicle Summary

Type of Collision in Crashes by Vehicle

Type of Collision	Vehicles							
	Fatal Crashes		Injury Crashes		Property Crashes		Total Crashes	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Head-On	118	17.96%	950	2.17%	678	0.98%	1,746	1.54%
Crossed Center Line	31	4.72%	3,188	7.29%	3,342	4.84%	6,561	5.78%
Rear-Ended Vehicle	39	5.94%	10,989	25.14%	9,854	14.27%	20,882	18.41%
Sideswiped Vehicle	16	2.44%	1,097	2.51%	2,639	3.82%	3,752	3.31%
Lane-Change into Other Vehicle	4	0.61%	843	1.93%	2,397	3.47%	3,244	2.86%
Forced Other Vehicle Off Roadway	0	0.00%	115	0.26%	433	0.63%	548	0.48%
Right-Angle Collision	163	24.81%	9,320	21.32%	11,213	16.24%	20,696	18.25%
Turned into Path of Other Vehicle	0	0.00%	317	0.73%	592	0.86%	909	0.80%
Single Vehicle	144	21.92%	5,088	11.64%	8,001	11.59%	13,233	11.67%
Pedestrian	31	4.72%	659	1.51%	5	0.01%	695	0.61%
Pedalcycle	6	0.91%	934	2.14%	12	0.02%	952	0.84%
Parked Vehicle	2	0.30%	805	1.84%	5,133	7.43%	5,940	5.24%
Other	6	0.91%	42	0.10%	66	0.10%	114	0.10%
Unknown	97	14.76%	9,366	21.43%	24,697	35.76%	34,160	30.11%
Total	657	100.00%	43,713	100.00%	69,062	100.00%	113,432	100.00%

Initial Point of Impact

Initial Point of Impact	Vehicles							
	Fatal Crashes		Injury Crashes		Property Crashes		Total Crashes	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Front	350	53.27%	17,827	40.78%	21,709	31.43%	39,886	35.16%
Right Front	43	6.54%	2,899	6.63%	4,842	7.01%	7,784	6.86%
Right Side	50	7.61%	1,750	4.00%	2,308	3.34%	4,108	3.62%
Right Rear	9	1.37%	962	2.20%	2,491	3.61%	3,462	3.05%
Rear	27	4.11%	6,426	14.70%	7,162	10.37%	13,615	12.00%
Left Rear	10	1.52%	1,175	2.69%	2,772	4.01%	3,957	3.49%
Left Side	57	8.68%	1,738	3.98%	2,479	3.59%	4,274	3.77%
Left Front	49	7.46%	3,083	7.05%	5,287	7.66%	8,419	7.42%
Top	5	0.76%	189	0.43%	196	0.28%	390	0.34%
Under Carriage	4	0.61%	140	0.32%	151	0.22%	295	0.26%
Other/Unknown	53	8.07%	7,524	17.21%	19,665	28.47%	27,242	24.02%
Total	657	100.00%	43,713	100.00%	69,062	100.00%	113,432	100.00%

Area of Vehicle Damage

Area of Vehicle Damage	Vehicles							
	Fatal Crashes		Injury Crashes		Property Crashes		Total Crashes	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Front	435	21.97%	21,551	25.00%	25,503	23.08%	47,489	23.90%
Right Front	323	16.31%	12,480	14.47%	13,871	12.55%	26,674	13.42%
Right Side	140	7.07%	4,489	5.21%	5,459	4.94%	10,088	5.08%
Right Rear	99	5.00%	4,760	5.52%	6,247	5.65%	11,106	5.59%
Rear	80	4.04%	7,515	8.72%	8,274	7.49%	15,869	7.99%
Left Rear	117	5.91%	5,081	5.89%	6,585	5.96%	11,783	5.93%
Left Side	187	9.44%	4,765	5.53%	5,853	5.30%	10,805	5.44%
Left Front	319	16.11%	12,227	14.18%	13,985	12.66%	26,531	13.35%
Top	177	8.94%	2,884	3.34%	1,867	1.69%	4,928	2.48%
Under Carriage	66	3.33%	2,241	2.60%	1,953	1.77%	4,260	2.14%
Other/Unknown	37	1.87%	8,226	9.54%	20,898	18.91%	29,161	14.68%
Total	1,980	100.00%	86,219	100.00%	110,495	100.00%	198,694	100.00%

Up to four area of vehicle damage may be indicated for each vehicle listed in a crash.

Vehicle Summary

Vehicle Fire or Explosion

Fire/Explosion	Vehicles							
	Fatal Crashes		Injury Crashes		Property Crashes		Total Crashes	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
No	597	90.87%	36,914	84.45%	49,896	72.25%	87,407	77.06%
Yes	42	6.39%	70	0.16%	84	0.12%	196	0.17%
Unknown	18	2.74%	6,729	15.39%	19,082	27.63%	25,829	22.77%
Total	657	100.00%	43,713	100.00%	69,062	100.00%	113,432	100.00%

Vehicle Defects

Vehicle Defects	Vehicles							
	Fatal Crashes		Injury Crashes		Property Crashes		Total Crashes	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
None	479	72.91%	31,881	72.93%	43,446	62.91%	75,806	66.83%
Brakes	5	0.76%	206	0.47%	198	0.29%	409	0.36%
Steering	0	0.00%	44	0.10%	47	0.07%	91	0.08%
Blowout	1	0.15%	65	0.15%	61	0.09%	127	0.11%
Smooth Tires	5	0.76%	45	0.10%	34	0.05%	84	0.07%
Other Tire Defect	1	0.15%	41	0.09%	42	0.06%	84	0.07%
Wipers	0	0.00%	18	0.04%	37	0.05%	55	0.05%
Trailer Hitch	1	0.15%	8	0.02%	14	0.02%	23	0.02%
Exhaust	0	0.00%	3	0.01%	2	0.00%	5	0.00%
Headlights	0	0.00%	74	0.17%	88	0.13%	162	0.14%
Tail Lights	0	0.00%	16	0.04%	25	0.04%	41	0.04%
Turn Signal	1	0.15%	8	0.02%	19	0.03%	28	0.02%
Suspension	0	0.00%	12	0.03%	9	0.01%	21	0.02%
Other	1	0.15%	103	0.24%	113	0.16%	217	0.19%
Glass	0	0.00%	12	0.03%	8	0.01%	20	0.02%
Unknown	163	24.81%	11,177	25.57%	24,919	36.08%	36,259	31.97%
Total	657	100.00%	43,713	100.00%	69,062	100.00%	113,432	100.00%

Type of Vehicle Attachments

Vehicle Attachment	Vehicles							
	Fatal Crashes		Injury Crashes		Property Crashes		Total Crashes	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
None	560	85.24%	35,843	82.00%	47,795	69.21%	84,198	74.23%
Single Trailer	40	6.09%	535	1.22%	1,056	1.53%	1,631	1.44%
Double Trailer	2	0.30%	24	0.05%	58	0.08%	84	0.07%
Semitrailer	23	3.50%	328	0.75%	577	0.84%	928	0.82%
Farm Equipment	4	0.61%	65	0.15%	86	0.12%	155	0.14%
Utility	1	0.15%	42	0.10%	51	0.07%	94	0.08%
Camping	2	0.30%	17	0.04%	34	0.05%	53	0.05%
Boat Trailer	0	0.00%	13	0.03%	38	0.06%	51	0.04%
Mobile Home	0	0.00%	5	0.01%	10	0.01%	15	0.01%
Oversized Mobile Home	2	0.30%	137	0.31%	154	0.22%	293	0.26%
Oversized Load	1	0.15%	3	0.01%	13	0.02%	17	0.01%
Towed Vehicle	2	0.30%	30	0.07%	52	0.08%	84	0.07%
Other	3	0.46%	44	0.10%	101	0.15%	148	0.13%
Unknown	17	2.59%	6,627	15.16%	19,037	27.57%	25,681	22.64%
Total	657	100.00%	43,713	100.00%	69,062	100.00%	113,432	100.00%

Vehicle Summary

Driver/Vehicle Related Contributing Circumstances

Driver/Vehicle Related Contributing Circumstances	Contributing Circumstances							
	Fatal Crashes		Injury Crashes		Property Crashes		Total Crashes	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
None Apparent	242	32.44%	19,745	40.29%	31,820	42.16%	51,807	41.37%
Ran Traffic Signal	6	0.80%	1,200	2.45%	1,147	1.52%	2,353	1.88%
Ran Stop Sign	26	3.49%	753	1.54%	674	0.89%	1,453	1.16%
Passed Stopped School Bus	0	0.00%	16	0.03%	29	0.04%	45	0.04%
Improper Passing	12	1.61%	291	0.59%	506	0.67%	809	0.65%
Left of Center, Not Passing	36	4.83%	433	0.88%	462	0.61%	931	0.74%
FTYROW at Intersection	8	1.07%	400	0.82%	521	0.69%	929	0.74%
FTYROW from Stop Sign	39	5.23%	1,887	3.85%	2,318	3.07%	4,244	3.39%
FTYROW from Yield Sign	2	0.27%	258	0.53%	370	0.49%	630	0.50%
FTYROW Making Left Turn	13	1.74%	1,760	3.59%	1,956	2.59%	3,729	2.98%
FTYROW from Driveway	3	0.40%	421	0.86%	796	1.05%	1,220	0.97%
FTYROW from Parked	1	0.13%	51	0.10%	284	0.38%	336	0.27%
FTYROW to Pedestrian	0	0.00%	111	0.23%	6	0.01%	117	0.09%
FTYROW Other	4	0.54%	275	0.56%	446	0.59%	725	0.58%
Wrong Way/One-Way	3	0.40%	44	0.09%	56	0.07%	103	0.08%
Too Fast for Conditions	27	3.62%	1,526	3.11%	1,990	2.64%	3,543	2.83%
Exceeding Speed Limit	19	2.55%	326	0.67%	218	0.29%	563	0.45%
Drag Racing	2	0.27%	17	0.03%	22	0.03%	41	0.03%
Improper Turn	3	0.40%	301	0.61%	852	1.13%	1,156	0.92%
Improper Lane Change	4	0.54%	341	0.70%	1,001	1.33%	1,346	1.07%
Following Too Close	2	0.27%	1,504	3.07%	1,548	2.05%	3,054	2.44%
No/Improper Signal	1	0.13%	109	0.22%	191	0.25%	301	0.24%
Disregarded Railroad Signal	2	0.27%	35	0.07%	58	0.08%	95	0.08%
Disregarded Warning Signal	0	0.00%	30	0.06%	45	0.06%	75	0.06%
Reckless Driving	5	0.67%	233	0.48%	263	0.35%	501	0.40%
Improper Backing	0	0.00%	143	0.29%	1,087	1.44%	1,230	0.98%
Illegal/Improper Parking	1	0.13%	84	0.17%	175	0.23%	260	0.21%
Failure to Control Vehicle	139	18.63%	5,810	11.85%	5,871	7.78%	11,820	9.44%
Headlights Not On	0	0.00%	54	0.11%	46	0.06%	100	0.08%
Inattentive/Distracted	18	2.41%	2,648	5.40%	3,026	4.01%	5,692	4.55%
Confused	7	0.94%	220	0.45%	356	0.47%	583	0.47%
Vision Obscured	17	2.28%	792	1.62%	1,326	1.76%	2,135	1.70%
Oversized/Loaded Vehicle	2	0.27%	35	0.07%	110	0.15%	147	0.12%
Inexperienced Driver	5	0.67%	756	1.54%	889	1.18%	1,650	1.32%
Other	32	4.29%	2,058	4.20%	3,265	4.33%	5,355	4.28%
Unknown	65	8.71%	4,342	8.86%	11,738	15.55%	16,145	12.89%
Total	746	100.00%	49,009	100.00%	75,468	100.00%	125,223	100.00%

Up to two driver/vehicle related contributing circumstances may be listed for each driver/vehicle.

Vehicles Involved in Hit & Run Crashes

Hit & Run	Vehicles							
	Fatal Crashes		Injury Crashes		Property Crashes		Total Crashes	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
None	628	95.59%	35,404	80.99%	46,533	67.38%	82,565	72.79%
With Motor Vehicle	3	0.46%	456	1.04%	1,443	2.09%	1,902	1.68%
With Non-Occupant	0	0.00%	66	0.15%	293	0.42%	359	0.32%
Driver Left Scene	5	0.76%	584	1.34%	1,444	2.09%	2,033	1.79%
Unknown	21	3.20%	7,203	16.48%	19,349	28.02%	26,573	23.43%
Total	657	100.00%	43,713	100.00%	69,062	100.00%	113,432	100.00%